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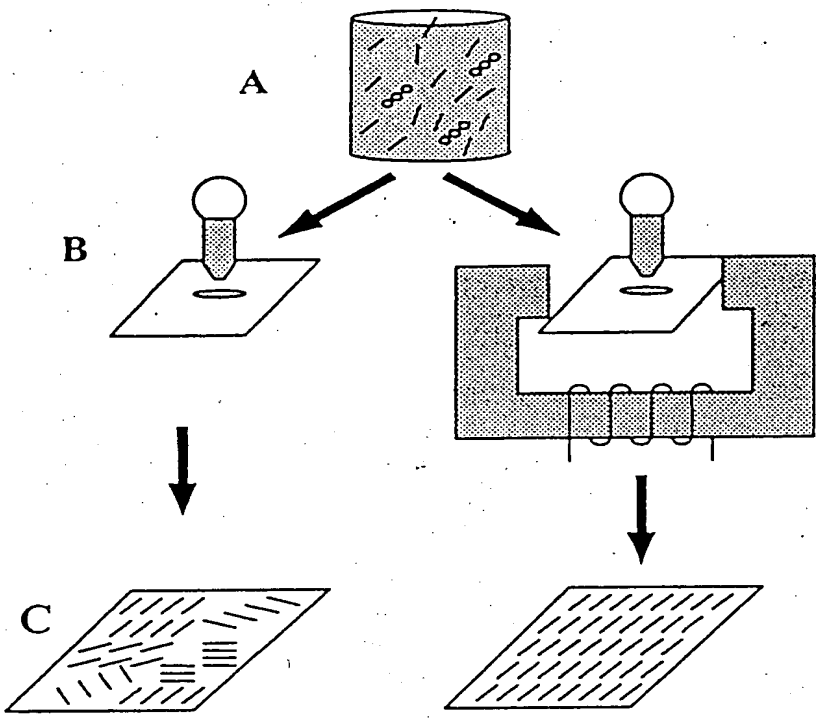


Fig. 1.

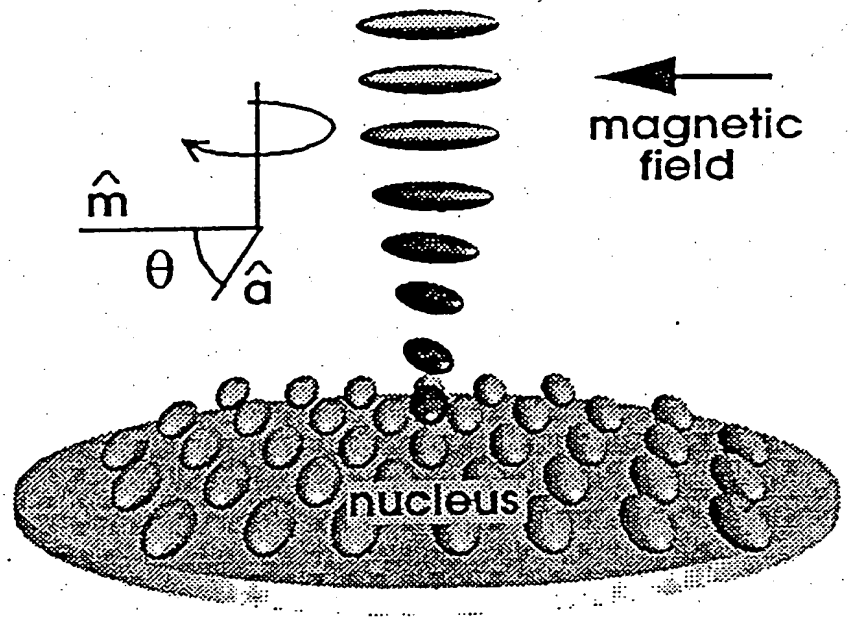


Fig. 2.

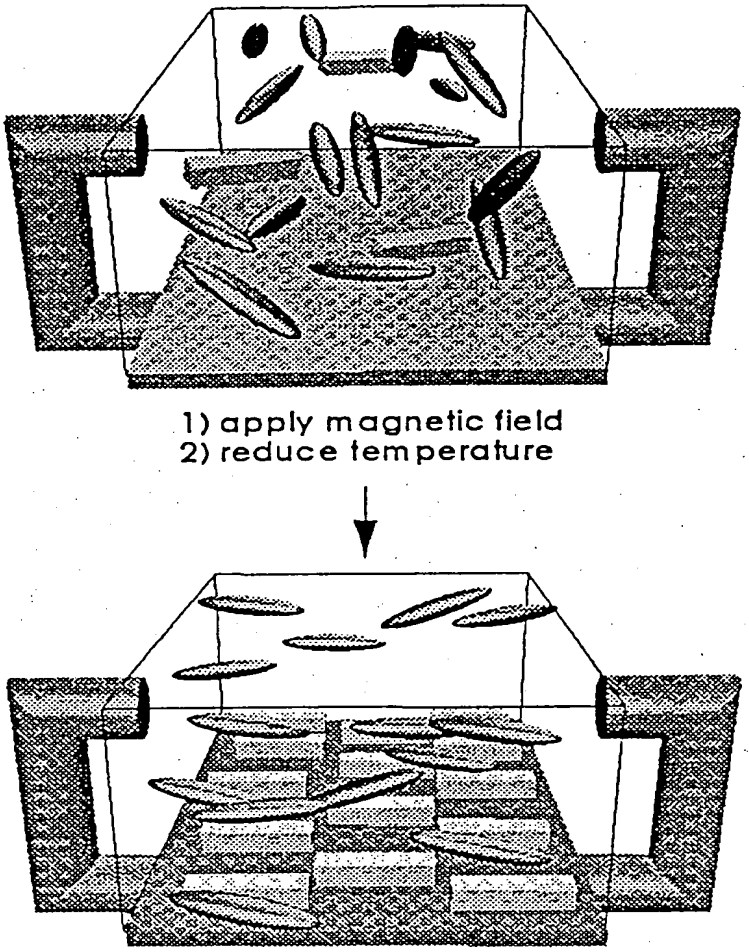


Fig. 3.

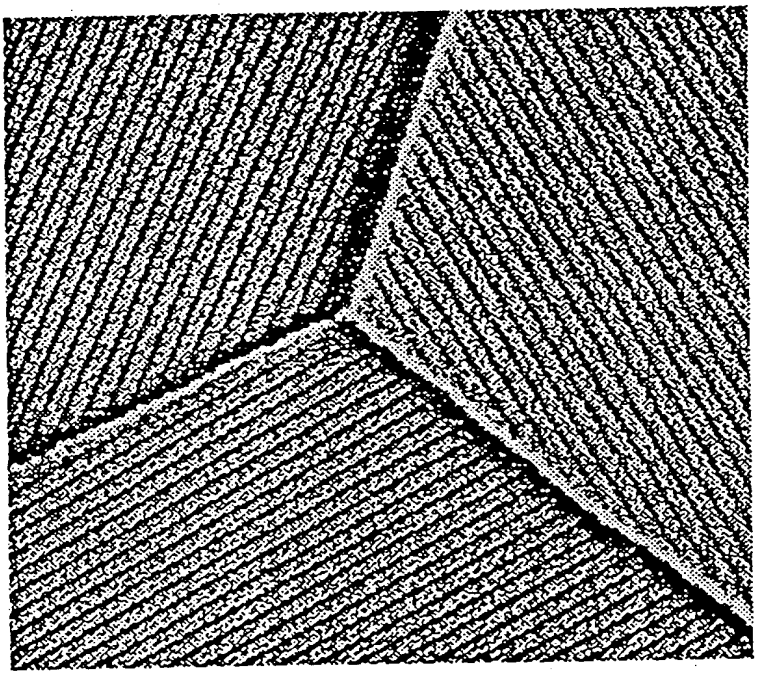


Fig. 4.

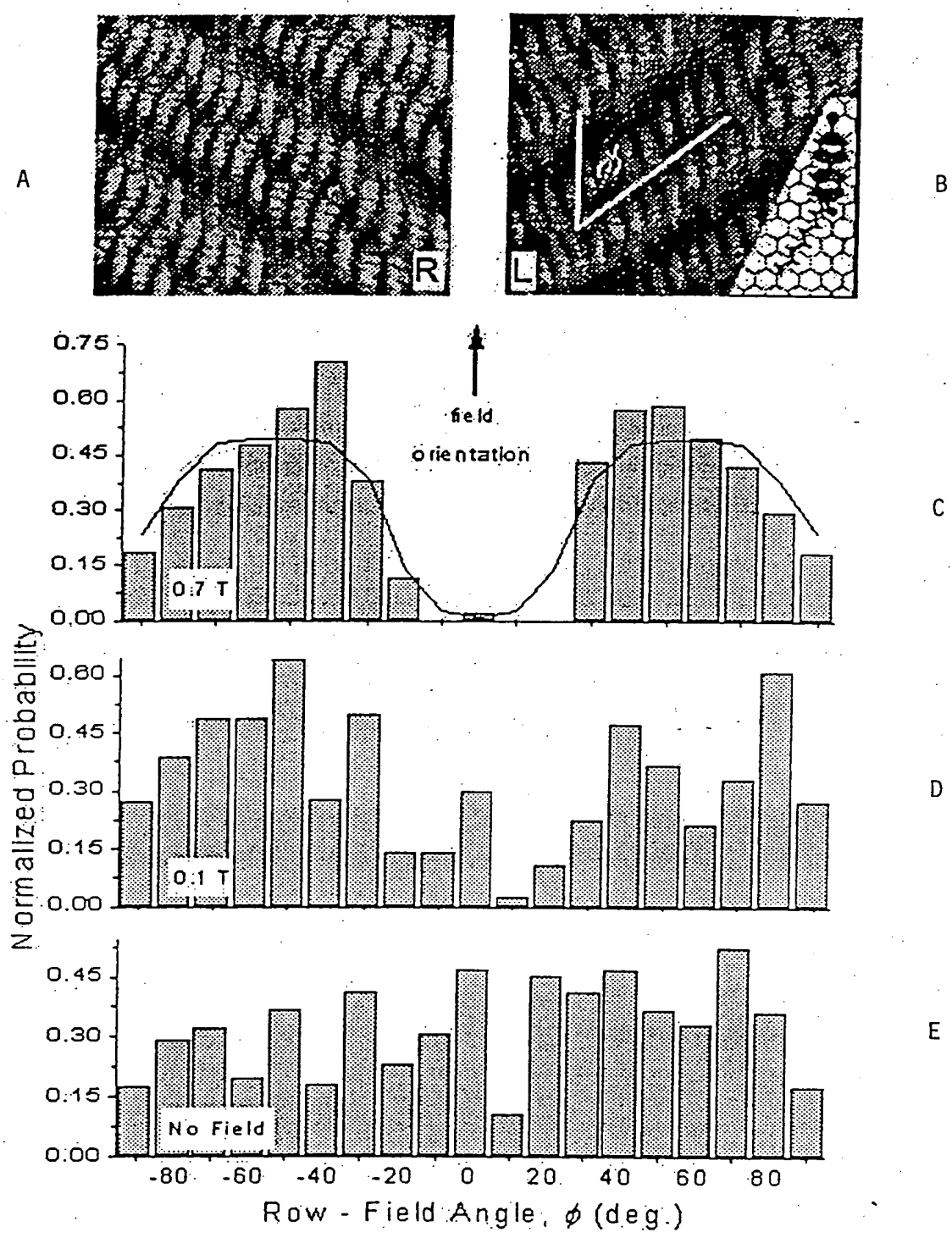
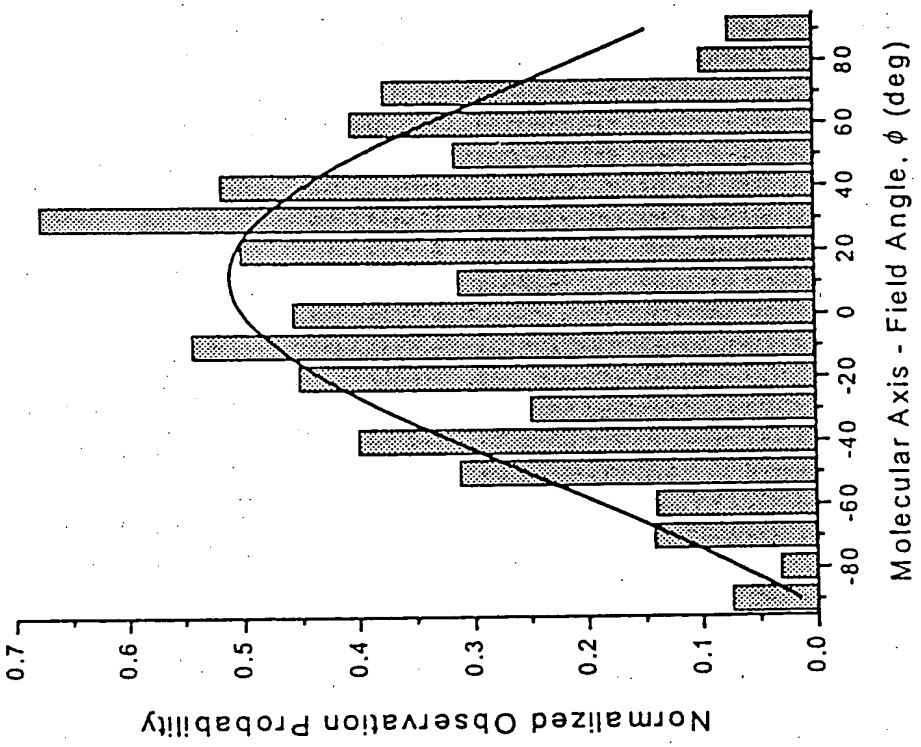

A
B
R
L
C
field
orientation
0.75
0.60
0.45
0.30
0.15
0.00
0.7 T
D
0.1 T
E
No Field
Normalized Probability
-80
-60
-40
-20
0
20
40
60
80
Row - Field Angle, ϕ (deg.)

Fig. 5.

Fig. 7.


Normalized Observation Probability
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
-80
-60
-40
-20
0
20
40
60
80
Molecular Axis - Field Angle, ϕ (deg)

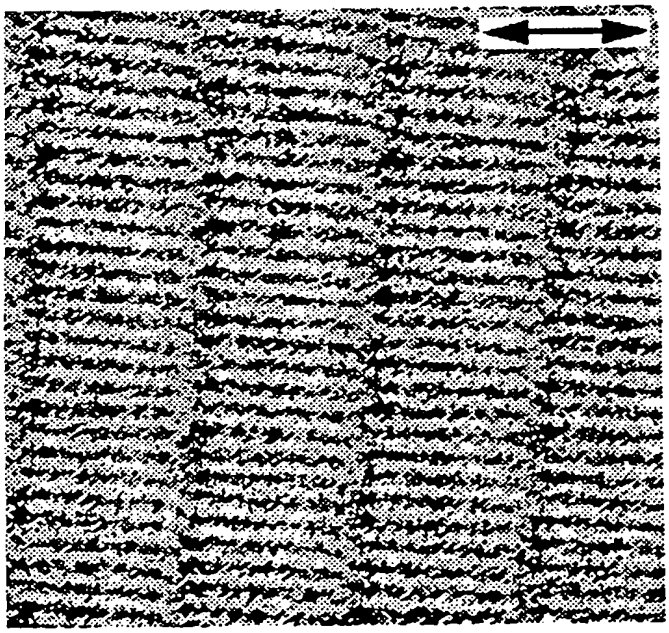


Fig. 6.

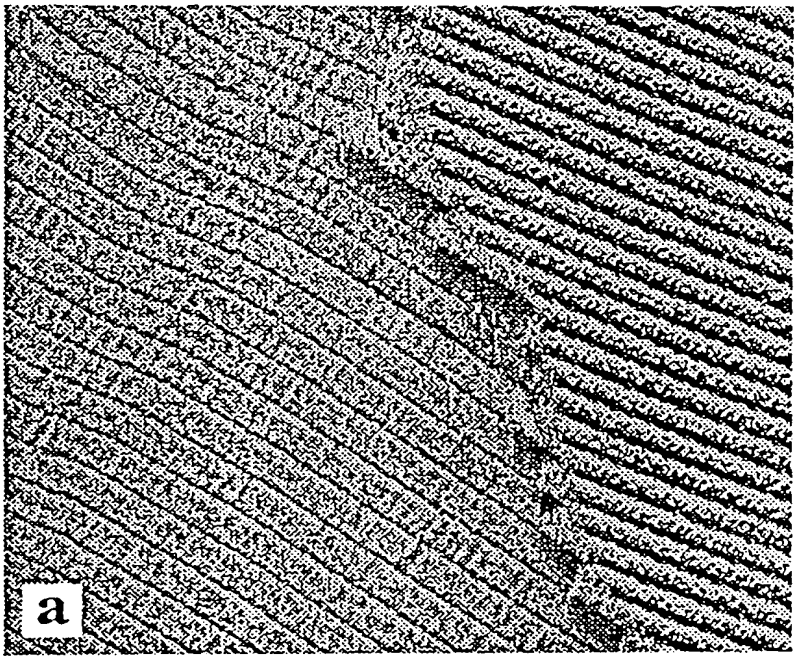


Fig. 8.

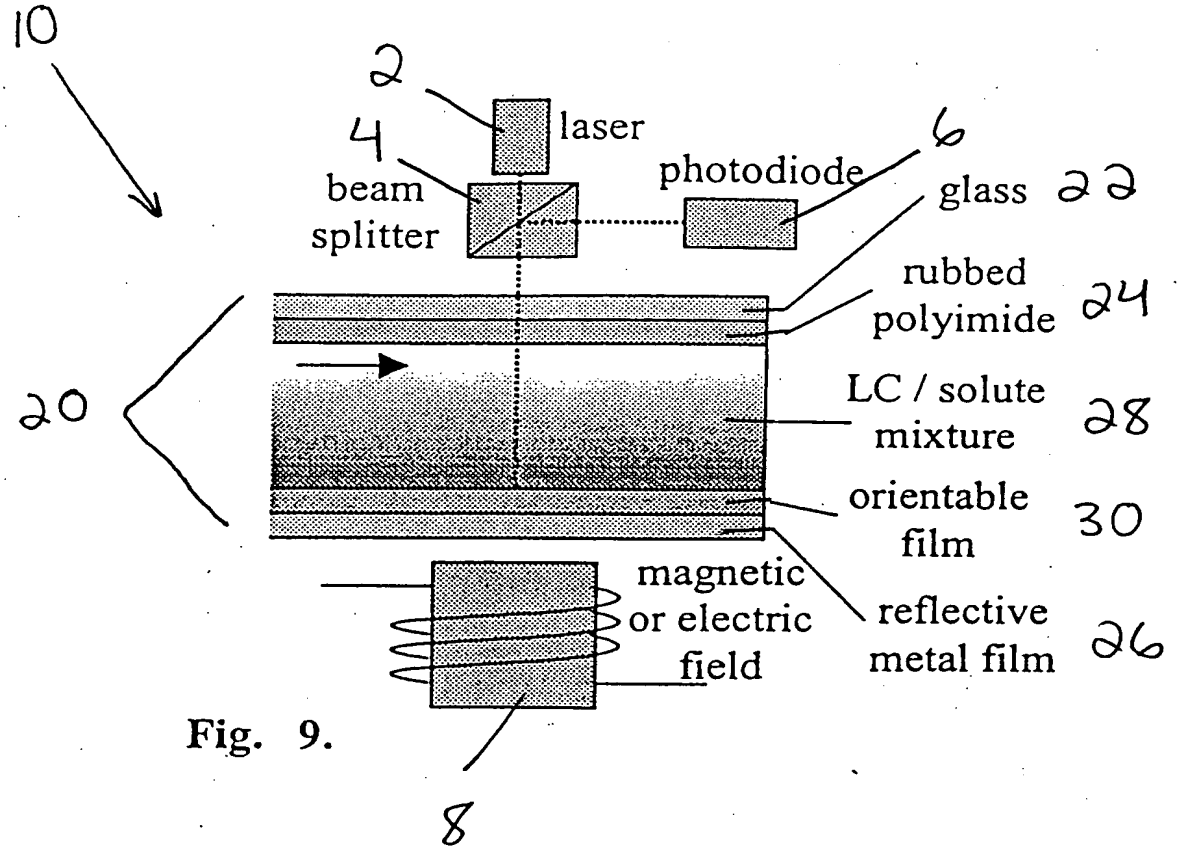

10
2
laser
4
beam
splitter
6
photodiode
glass 22
rubbed
polyimide 24
20
LC / solute
mixture 28
orientable
film 30
magnetic
or electric
field
reflective
metal film 26
8

Fig. 9.

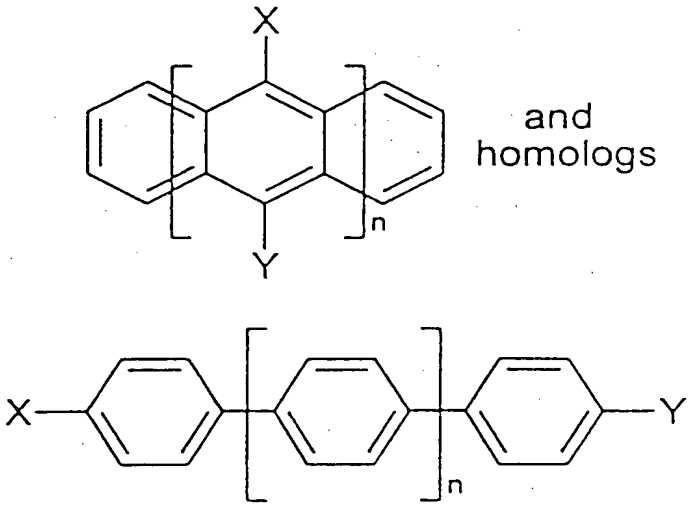


Fig. 10.